

ISS World Asia is the world's largest gathering of Asian Law Enforcement, Intelligence and Homeland Security Analysts as well as Telecom Operators responsible for Lawful Interception, Hi-Tech Electronic Investigations and Network Intelligence Gathering.

ISS World Programs present the methodologies and tools for Law Enforcement, Public Safety and Government Intelligence Communities in the fight against drug trafficking, cyber money laundering, human trafficking, terrorism and other criminal activities conducted over today's telecommunications network and the Internet.

[Track 1: ISS for Lawful Interception and Criminal Investigations](#)

[Track 2: ISS for Big Data Analytics and Social Network Monitoring](#)

[Track 3: ISS for Mobile Location, Surveillance and Intercept](#)

[Track 4: Encrypted Traffic Monitoring and IT Intrusion Product Training](#)

[Track 5: LEA and Intelligence Analyst Training and Product Demonstrations](#)

[Pre-Conference Seminars and Tutorials \(Tuesday, 3 December 2013\)](#)

ISS World Asia - Conference Agenda at a Glance 2013

Tuesday, 3 December 2013

Pre-Conference Seminars

Seminar #1

8:30-4:30

Understanding ISS Technologies and Products Deployed in Telecommunications Networks and Monitoring Centers for Law Enforcement and Intelligence Analysis

Presented by: *Dr. Jerry Lucas, President, TeleStrategies*

This one day pre-conference seminar covers the spectrum of ISS Technologies and Products deployed in today's fixed wire, mobile wireless and Internet Service Provider networks and LEA Monitoring and Intelligence Gathering Centers. This all day seminar is ideal for those law enforcement, public safety and intelligence analysts who need an understanding of the ISS technologies to be discussed in the conference sessions and the ISS products displayed at the exhibit hall as well as an understanding of the buzz words and jargon used by telecom operator engineers and their vendors.

08:30-10:45

Understanding Wireline Telecom Infrastructure, Interception and Related ISS Products

11:00-2:00

Understanding Mobile Wireless Infrastructure, Interception and Related ISS Products

2:15-4:30

Understanding the Internet, Interception and Related ISS Products

Seminar #2

8:30-4:30

Practitioners Guide to Internet Investigations

Presented by: **Mark Bentley, Former Data Comms Manager, Child Exploitation and Online Protection Centre (CEOP)**

The aim of this 1 day seminar is to take the attendees from the basics of understanding the internet, how to find data , through to a full understanding of best practice of an internet investigator, having awareness and knowledge of all the tools available to achieve this. This is exclusively Law Enforcement only, as Practical examples, covert and investigative methods will be given throughout the seminar.

8:30-9:30

The World Wide Web and the Internet

9:45-10:45

Recognizing Traffic Data

11:00-12:00

WIFI and GPRS

13:00-14:00

Emerging Technologies, Masking Tech and Tools

14:15-15:15

Advanced Techniques in Tracing Suspects

15:30-16:30

Open Source Intelligence Training (OSINT)

Seminar #3

13:00-16:30

Interpol Digital Forensic Programs

Presented by: *Chris Church, Digital Forensic Officer, Interpol*

13:00-14:00

Digital Forensics in a smarter world

14:15-15:15

Interpol's International Global Complex for Innovation

15:30-16:30

Interpol Overview and Q&A

THIS SESSION IS FOR LAW ENFORCEMENT AGENCIES.

If you are not an Law Enforcement Officer then please speak to me outside this presentation during the conference and Interpol will be happy to discuss the opportunities that the ICGI will give a private company.

Seminar #4

8:30-4:30

Advanced IP Intercept Training

Presented by: *Dr. Hendrik Schulze, President & CTO, ipoque*

08:30-10:45

Understanding TCP/IP for Packet Sniffing and Traffic Analysis

11:00-2:00

Deep Packet Inspection (DPI) Basics for LEA's, Intelligence Analysts and Telecom Operators

2:15-4:30

Basics of IP Application Decoding

Seminar #5

8:30-10:45

Visual Analytics: Discovering Real-World Patterns By Exploiting Meta Data Content

Presented by: *Christopher Westphal, Raytheon Visual Analytics Incorporated*

Seminar #6

11:00-12:00

Big Data Analytics For Entity Based Representations: Detecting Networks, Connections, and Correlations

Presented by: *Christopher Westphal, Raytheon Visual Analytics Incorporated*

(Full Pre-Conference Seminar Agenda Appears After Track 5)

Wednesday, 4 December 2013

Welcoming Remarks

8:15-8:30

Tatiana Lucas, ISS World Program Director, TeleStrategies

8:30-9:00

**Top Ten Internet Challenges Facing Law Enforcement and the Intelligence Community
ISS World Asia has Solutions**

Dr. Jerry Lucas, President, TeleStrategies

ISS World Americas Exhibit Hours:

Wednesday, 4 December 2013

Hours: 10:00 - 17:00

Thursday, 5 December 2013

Hours: 9:30 - 12:30

Track 1: ISS for Lawful Interception and Criminal Investigation

This track is for Telecom Operators and Law Enforcement/Intelligence/Defense Analysts who are responsible for specifying or developing lawful intercept network infrastructure.

Wednesday, 4 December 2013

- 9:00-9:30 **Lawful Interception Consolidation – A case study**
Dirk Börgerding, Utimaco Safeware AG
- 9:30-10:00 **Keeping up with new Security Trends & Surveillance Technologies**
trovicor
- 11:30-12:00 **Today's interception in an encrypted, social and clouded world**
Session A *David Vincenzetti, CEO, Hacking Team*
- 11:30-12:00 **Forensic grade Tactical surveillance and Monitoring Centre portability, High qual**
Session B **nowadays surveillance**
Emanuele Marcozzi, Presales Engineer, AREA
- 12:00-12:30 **Activate the Intelligence to expand the Security. GENESI Suite: the most complete**
Session A **Intelligence Platform**
Fabio Romani, Market & investment Strategy, IPS
- 12:00-12:30 **Internet Interception In The Era of Mobile Internet**
Session B *PrivisTechnology*
- 13:30-14:00 **Lawful Interception of LTE, VoLTE, and RCS**
Rene Nitzinger, Utimaco Safeware AG
- 14:00-14:30 **Recall IP Intercept – the next-generation of IP interception at 10 Gigabit and beyond**
Session A *Jayesh Nana, CEO, iSolv Technologies*
- 15:00-15:30 **The comprehensive Intelligence System solution**
China Top Communication
- 16:15-16:45 **IRGO, RTPR and Future Technology**
Edgardo Gonzales II, Expert Team

Thursday, 5 December 2013

- 8:30-9:30 Session A **New LI/RD Standards Initiatives**
Tony Rutkowski, Yaana Technologies
- 8:30-9:30 Session B **New LI challenges. A Countrywide Integrated Solution: Voice, Data, Positioning**
for Massive Interception
Cristian D'Incertopadre, Sales, IPS
(For LEA and Government Attendees Only)
- 10:30-11:00 **Solve/Prevent with Intelligence Solutions**
Rohini Sooriamoorthy, Technical Director, Statworks (M) Sdn Bhd
- 11:00-11:30 **Portable Interception**
Frankie Chan, Expert Team

Track 2: ISS for Big Data Analytics and Social Network Monitoring

This track is for Intelligence Analysts and Law Enforcement agents who have to “connect the dots” between people, places and other entities by searching through massive amounts of unstructured data from various sources using visual analytics, semantic technologies, data mining, OSINT and other intelligence gathering tools and techniques

Wednesday, 4 December 2013

- 9:00-9:30 Session A **Human Threat: Intelligence and Social Media - an industry view from IBM**
Chuck Dodson, World Wide Business Development and Strategy, IBM's i2 product
- 9:00-9:30 Session B **Extracting and Analyzing Big Data at the Network Core**
Joon Choi, Glimmerglass Optical Cyber Solutions
- 9:30-10:00 **Integrated Intelligence Gathering and Mining Solution**
Nanjing Sinovatio Technology
- 11:30-12:00 Session A **IP Monitoring - trovicor's end-to-end solution**
trovicor
- 12:00-12:30 Session A **Handling “very big data” and find the right target**
ME Advanced Systems
- 13:30-14:00 **Social Media a gift or a curse: Real Tool for social Media Interception: Twitter**
AGT-technology
- 14:00-14:30 **Big Data Analysis: a discovery mission**
Federico Ciceri, Sales Manager, RCS

Thursday, 5 December 2013

- 10:30-11:00 **Intelligence Analysis: Meet the Challenges of Big Data**
PrivisTechnology

Track 3: ISS for Mobile Location, Surveillance and Intercept

This track is for Law Enforcement, Interior Security and the Intelligence Community Authorities who must work with cellular and mobile satellite operators regarding mobile location, surveillance and intercept as well as analysis of mass geo-location data.

Wednesday, 4 December 2013

- 9:00-9:30 **Geospatial Intelligence for National Security**
Paul Christin, Esri
- 9:30-10:00 **G-SMART: the Social Intelligence App to improve and speed tactical investigations**
Cristian D'Incertopadre, Sales, IPS
- 11:30-12:00 **Advanced Location Surveillance for Public Safety and National Security Applications**
Session A *Polaris Wireless*
- 11:30-12:30 **POMS : AN INTELLIGENT TOOL TO DRILL DOWN ON Facebook & Twitter;**
Session B *Daniel Zhang, Marketing Director, Semptian Technologies*
- 13:30-14:30 **How to plan and effectively pin point a target's location using a Geo Locator –**
Session A **A step by step approach from concept to real world scenarios**
Mahesh Kumar, Kommlabs
- 15:00-15:30 **InPoint SMS System. Mass Emergency Notification. Target Localization**
Session A *NeoSoft AG*
- 15:30-16:00 **3 in 1 Passive Tracker : Pinpoint the WCDMA/GSM/CDMA phone with an all in one co**
Session A **tracker**
Patrick Fevery, Sales Manager, Semptian Technologies
- 15:00-16:00 **Extracting intelligence from CDR and Tower Dumps. A hands-on approach to effective**
Session B **analyzing CDRs to detect call patterns, determine common identities and unearth hidden**
using geo location and link analysis.
Deepak Goyal, Kommlabs

Thursday, 5 December 2013

- 8:30-9:30 **eRetriever : The portable interception system with offensive capabilities for PC and**
Jacques Wu, Sales Manager, Semptian Technologies
- 10:30-11:30 **Active, Passive and Hybrid GSM/3G/4G/LTE and CDMA Monitoring systems. New**
(Randomization, A5.3 etc.). Practical solutions
NeoSoft AG
(For LEA and Government Attendees Only)

Track 4: Encrypted Traffic Monitoring and IT Intrusion Product Training

This track is only open to Law Enforcement, Public Safety and Government Intelligence Community Attendees

Wednesday, 4 December 2013

- 9:00-10:00 **Using Open-Source tools to conduct governmental investigations against serious c**
Gamma International
- 11:30-12:30 **VUPEN Sophisticated Exploits for IT intrusion and Offensive Security**
Session A *Chaouki Bekrar, CEO & Director of Vulnerability Research, VUPEN*

- 11:30-12:30 Session **Infiltrating and monitoring organized crime from inside: Remote Stealth Surveillance studies**
 B *AGT-technology*
- 13:30-14:30 Session **FinFisher- Next Generation governmental surveillance. Focus: Mobile phone monitoring**
 A *Gamma International*
- 13:30-14:30 Session **Smart Intrusion on Social Networks and Webmails: the Https Monitoring & Analysis**
 B *Ugo Santillo, Sales Director, IPS*
- 15:00-16:00 Session **Identifying criminal organizations on social networks by intruding communication channels**
 A *Marco Valleri - CTO, Alberto Ornaghi – Software Architect, Alberto Pelliccione – Senior Developer, Hacking Team*
- 15:00-16:00 Session **Do It Yourself (DIY) Program for Trojan Based Monitoring**
 B *Jitendra Verma, Manager, Business Development, ClearTrail Technologies*

Thursday, 5 December 2013

- 8:30-9:30 Session A **Tactical IP Intercept for HTTPS Monitoring & Remote Intrusion**
Sameer Fegade, Director-Engineering, ClearTrail Technologies
- 8:30-9:30 Session B **Passive Interception and Discreet Survey in Semi and Non-Permissive Environments**
Criterion Solutions Pty Ltd
- 10:30-11:30 Session A **Intruding communication devices: live demonstration of latest attack techniques.**
Marco Valleri - CTO, Alberto Ornaghi – Software Architect, Alberto Pelliccione – Senior Developer, Hacking Team
- 10:30-11:30 Session **New Digital Interception and Cyber Intelligence Instruments**
 B *Mirko Minuzzo, Presales Engineer, AREA*

Track 5: LEA, Intelligence and Defense Analyst Training and Product Demonstration Track

This training is only open to Law Enforcement, Public Safety and Government Intelligence Community Attendees.

Wednesday, 4 December 2013

- 9:00-10:00 Session A **CDMA Catcher and IMSI/IMEI Catcher with Public Number Detection. Vehicle Tracking**
Portable solutions
NeoSoft AG
- 9:00-10:00 Session B **VIBIS - Voice Identification Based Interception System**
Sugito Wibawa, CEO, XSPec Technology
- 12:00-12:30 Session B **Cell Based Monitoring Solution – a new approach to handle mass territory surveillance**
trovicor
- 13:30-14:00 Session A **Intelligence Platform – target profiling**
trovicor
- 13:30-14:30 Session B **Deep Intelligence From Twitter — a live demo of KIS**
Bear, CEO, Knowlesys

- 14:00-14:30 Session A **Monitoring Center next generation – a live demo**
trovicor
- 15:00-16:00 Session A **Recall Intruder – covert intrusion and collection solution for smartphones and**
Jayesh Nana, CEO, iSolv Technologies
- 15:00-16:00 Session B **Mito Cube: RCS LI platform, a successful case history**
Federico Ciceri, Sales Manager, RCS
- 15:00-16:00 Session C **Virtual Human Intelligence for Digital Agents. Dual Use 2.0 Digital Infiltration**
Marco Braccioli, Senior Vice President and Emanuele Marcozzi, Presales Engineer

Thursday, 5 December 2013

- 8:30-9:30 Session A **New LI challenges. A Countrywide Integrated Solution: Voice, Data, Positioning and Massive Interception**
Cristian D'Incertopadre, Sales, IPS
- 8:30-9:00 Session B **Intelligence Platform - target profiling**
trovicor
- 9:00-9:30 Session B **Monitoring Center next generation – a live demo**
trovicor
- 10:30-11:00 Session A **Cell Based Monitoring Solution – a new approach to handle mass territory surveillance**
trovicor
- 11:00-11:30 Session A **Intelligence Platform: reveal the unknown - a live demo**
trovicor
- 10:30-11:30 Session B **Active, Passive and Hybrid GSM/3G/4G/LTE and CDMA Monitoring systems. New (Randomization, A5.3 etc.). Practical solutions**
NeoSoft AG

Tuesday, 3 December 2013

Pre-Conference Seminars

Seminar #1

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08:30-10:45

Understanding Wireline Telecom Infrastructure, Interception and Related ISS Products

What do LEAs need to know about the public switched telecommunications networks, circuit switching, fiber optics, SONET/SDH, Broadband Access (DSL, ADSL, Cable Modems, etc.), billing systems and call detail records, standards for lawful intercept, basic LI elements (access, delivery and collection function), LEA Monitoring Center Functions (call information and call content data collection) and where are ISS products deployed for monitoring and intercept.

11:00-2:00

Understanding Mobile Wireless Infrastructure, Interception and Related ISS Products

Infrastructure basics (GSM, GPRS, EDGE, UMTS, HSPA and LTE), Wi-Fi, WiMax and Femtocells, How a cellular call is processed, back office infrastructure, HLR, VLR, Backhaul and PSTN interconnection, data services, SMS, MMS, IM, data services, fixed mobile convergence, Smartphone challenges for LEA, intrusion techniques, gathering Geolocation data, location technologies (A-GPS and RF finger printing) and where are ISS products deployed for monitoring and intercept.

2:15-4:30

Understanding the Internet, Interception and Related ISS Products

What Investigators Have To Know about IP call Identifying Information, Radius, DHCP, DNS, etc., Tracking an Internet Address to a Source, Investigations Involving E-Mail, Facebook, Twitter, Skype, Instant Messaging, Chat Rooms and Message Boards, IMS, P2P Networks and Deep Packet Inspection, Big Data Analytics, defeating encryption, emerging IPv6 Challenges and what can be done to address Internet intercept deploying ISS infrastructure and where are ISS products deployed for monitoring and intercept.

Seminar #2

8:30-4:30

Practitioners Guide to Internet Investigations

Presented by: **Mark Bentley, Former Data Comms Manager, Child Exploitation and Online Protection Centre (CEOP)**

The aim of this 1 day seminar is to take the attendees from the basics of understanding the internet, how to find data , through to a full understanding of best practice of an internet investigator, having awareness and knowledge of all the tools available to achieve this. This is exclusively Law Enforcement only, as Practical examples, covert and investigative methods will be given throughout the seminar.

8:30-9:30

The World Wide Web and the Internet

- How it works. Why it works. How data traffic leaves a trace ;
- What the internet is; what is an IP and what protocols are used (TCP/IP)

- IPv4 and IPv6 – understanding the changes
- mirror servers use and value
- Tracking and evaluating data

9:45-10:45

Recognizing Traffic Data

- A practitioner's guide to what data is available. How to harvest and analyse it.
- Best practice to identify suspects and build profiles.
- Data collection and interrogation
- IP usage, exploitation and dynamics; IP plotting and analysis how to look for suspect mistakes and exploit them (where they show their id)
- Dynamic approaches to identifying suspects through internet profiles
- What investigators get from tech and service providers, and how to analyse it
- What to ask for with current legislation to achieve best results
- SPOC best practice.
- ISP/ CSP capabilities and opportunities.

11:00-12:00

WIFI and GPRS

- A practitioner's look at Wi-Fi, attribution, cell site data, GPRS location services and technology. How an investigator can track devices, attribute suspects locations, devices and movement.
- Dynamic live time tracing
- Geo location services and uses
- Surveillance without DSA and authority

13:00-14:00

Emerging Technologies, Masking Tech and Tools

- How suspects are using emerging and new technologies.
- An introduction to where technology is going, and how Law enforcement can use this to our advantages.
- Darknet, (Deepweb) and IRC use
- VOIP, Skype
- Advanced data sniffing and profile building
- TOR systems, applications and ways to coax offenders out of the system.

14:15-15:15

Advanced Techniques in Tracing Suspects

- Using innovative and dynamic methods to trace offenders.
- tricks used by suspects and how to combat them
- Covert internet investigations
- Proxy servers and hiding.
- managing collateral intrusion
- Reverse and social engineering
- Thinking outside the box
- Possible missed opportunities
- Profile building and manhunts

15:30-16:30

Open Source Intelligence Training (OSINT)

- An in depth look at what tools are available; how to use them, and practical applications.
- safety online when open sourcing
- open source training and awareness basics
- Trace suspects using available tools
- How to identify leads in investigations and data from ISP
- Internet tools to assist in building online profiles on suspects
- A run through of my website dedicated to online tracing tools and how best to use it (LEA ONLY)
- Reverse engineering and social engineering

Seminar #3

13:00-16:30

Interpol Digital Forensic Programs

Presented by: *Chris Church, Digital Forensic Officer, **Interpol***

13:00-14:00

Digital Forensics in a smarter world

Digital Forensics in a smarter world: The world of digital forensics is changing, digital forensics is no longer isolated to a PC its on the web, on your TV, in your games console and a majority of the personalized content is on the mobile phone. In this presentation I will illustrate the challenges and opportunities have in the evolving digital forensics world and also present a vision of the future for Law Enforcement with Interpol Global Innovation Complex that is currently being built in Singapore.

14:15-15:15

Interpols International Global Complex for Innovation

This session shall show you the vision and capability of the IGCI and what the center will be focusing on and how Interpol can assist Law Enforcement and Industry in being able to combat the future threats and challenges that lay ahead as digital crime is becoming more borderless and Law Enforcement try and cope with the issues around Digital Crime.

15:30-16:30

Interpol Overview and Q&A

Interpol will present a brief introduction of their capabilities and service. After this brief presentation there will be a Q & A session where you can discuss what issues and challenges you face in digital forensics. Interpol are opening the International Global Complex for Innovation in Singapore in October 2014. This is a unique opportunity for law enforcement to break down borders and co-operate internationally to combat the future threats and challenges that digital crime brings.

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If you are not an Law Enforcement Officer then please speak to me outside this presentation during the conference and Interpol will be happy to discuss the opportunities that the IGCI will give a private company.

Seminar #4

8:30-4:30

Advanced IP Intercept Training

Presented by: *Dr. Hendrik Schulze, President & CTO, ipoque*

08:30-10:45

Understanding TCP/IP for Packet Sniffing and Traffic Analysis

A brief introduction into network technology and the basics of TCP/IP needed for interception and the impact on proper network analysis. Based on this, the workshop reflects the technical options for LEA's to investigate in networks.

11:00-2:00

Deep Packet Inspection (DPI) Basics for LEA's, Intelligence Analysts and Telecom Operators

An overview on deep packet inspection technology (DPI) and its basic operations down to the application level. Skype is used as example to show the implications of complex network behavior on DPI.

2:15-4:30

Basics of IP Application Decoding

From Packets to Structured Data

The workshop is a high-level introduction on building decoder software starting from requirements

on an example of software architecture. After an overview of all parts of the introduction the building blocks are elaborated.

Seminar #5

8:30-10:45

Visual Analytics: Discovering Real-World Patterns By Exploiting Meta Data Content

Presented by: *Christopher Westphal, Raytheon Visual Analytics Incorporated*

Mr. Westphal will present "Visual Analytics" an interactive, thought compelling presentation on the use of various visualization and representation techniques for understanding a variety of domains ranging from financial crimes and money laundering to narcotics-trafficking and counter-terrorism. The presentation presents a number of scenarios that challenge the audience participants to try and interpret the results and explain the outcomes. Mr. Westphal emphasizes there are no "right answers" and there are no "wrong answers" only subjective interpretation within the context of the analysis/data. The goal is to offer alternative interpretations for obvious situations and complex analytical scenarios. Several "real-world" patterns are presented along with their interpretation, background, and meaning. Much of the content presented is based on Mr. Westphal's last book, "Data Mining for Intelligence, Fraud & Criminal Detection: Advanced Analytics & Information Sharing Technologies" (CRC Press, December 2008).

Seminar #6

11:00-12:00

Big Data Analytics For Entity Based Representations: Detecting Networks, Connections, and Correlations

Presented by: *Christopher Westphal, Raytheon Visual Analytics Incorporated*

The goal of many organizations is to find ways to harmonize big data using federated access models to deliver contextual analytics while remaining agile, adaptable, and scalable to aggregate high-quality content. Using a data-centric framework that separates the data from the application enables organizations to elevate insight, expand knowledge, measure risk, and continually identify opportunities and suspicious entities. This presentation will discuss the use of proactive methods to discover entity-based patterns, trends, anomalies, and inconsistencies in big data such as CDR, LPR, social media, and open source content to help improve the fundamental analytical processes. Using advanced entity-based representation techniques to represent multiple-dimensions of data and help expose high-value targets. It's not necessarily the size of the data, but in how you use it.